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RAW SEQUENCE LISTING   DATE: 05/31/2002
PATENT APPLICATION: US/10/008,978   TIME: 12:01:36

Input Set : A:\00-1272-c seq list 052002.txt
Output Set: N:\CRF3\05312002\J008978.raw

```
 3 <110> APPLICANT: Mirkin, Chad A.
 4         Letsinger, Robert L.
 5         Mucic, Robert C.
 6         Storhoff, James J.
 7         Elghanian, Robert
 8         Taton, Thomas A.
 9         Garimella, Viswanadham
10         Li, Zhi
11         Park, So-Jung
12         Lu, Gang
14 <120> TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
15         AND USES THEREFOR
17 <130> FILE REFERENCE: 00-1272-C
19 <140> CURRENT APPLICATION NUMBER: 10/008,978
20 <141> CURRENT FILING DATE: 2002-05-20
22 <150> PRIOR APPLICATION NUMBER: 09/927,777
23 <151> PRIOR FILING DATE: 2001-08-10
25 <150> PRIOR APPLICATION NUMBER: 09/820,279
26 <151> PRIOR FILING DATE: 2001-03-28
28 <150> PRIOR APPLICATION NUMBER: 09/760,500
29 <151> PRIOR FILING DATE: 2001-01-12
31 <150> PRIOR APPLICATION NUMBER: 09/603,830
32 <151> PRIOR FILING DATE: 2000-06-26
34 <150> PRIOR APPLICATION NUMBER: 09/344,667
35 <151> PRIOR FILING DATE: 1999-06-25
37 <150> PRIOR APPLICATION NUMBER: 09/240,755
38 <151> PRIOR FILING DATE: 1999-01-29
40 <150> PRIOR APPLICATION NUMBER: PCT/US97/12783
41 <151> PRIOR FILING DATE: 1997-07-21
43 <150> PRIOR APPLICATION NUMBER: 60/031,809
44 <151> PRIOR FILING DATE: 1996-07-29
46 <150> PRIOR APPLICATION NUMBER: 60/176,409
47 <151> PRIOR FILING DATE: 2000-01-13
49 <150> PRIOR APPLICATION NUMBER: 60/192,699
50 <151> PRIOR FILING DATE: 2000-03-28
52 <150> PRIOR APPLICATION NUMBER: 60/200,161
53 <151> PRIOR FILING DATE: 2000-04-26
55 <150> PRIOR APPLICATION NUMBER: 60/213,906
56 <151> PRIOR FILING DATE: 2000-06-26
58 <150> PRIOR APPLICATION NUMBER: 60/224,631
59 <151> PRIOR FILING DATE: 2000-08-11
61 <150> PRIOR APPLICATION NUMBER: 60/254,392
62 <151> PRIOR FILING DATE: 2000-12-08
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C--> (marks line 20)

RAW SEQUENCE LISTING   DATE: 05/31/2002
PATENT APPLICATION: US/10/008,978   TIME: 12:01:36

Input Set : A:\00-1272-c seq list 052002.txt
Output Set: N:\CRF3\05312002\J008978.raw

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 65 <151> PRIOR FILING DATE: 2000-12-08
 67 <150> PRIOR APPLICATION NUMBER: 60/255,235
 68 <151> PRIOR FILING DATE: 2000-12-11
 70 <150> PRIOR APPLICATION NUMBER: 60/255,236
 71 <151> PRIOR FILING DATE: 2000-12-11
 73 <150> PRIOR APPLICATION NUMBER: 60/282,640
 74 <151> PRIOR FILING DATE: 2000-04-01
 77 <160> NUMBER OF SEQ ID NOS: 76
 79 <170> SOFTWARE: Microsoft Word 2000
 81 <210> SEQ ID NO: 1
 82 <211> LENGTH: 20
 83 <212> TYPE: DNA
 84 <213> ORGANISM: Artificial Sequence
 86 <220> FEATURE:
 87 <223> OTHER INFORMATION: Description of Artificial Sequence:random
 88       synthetic sequence
 90 <400> SEQUENCE: 1
 91 aaacgactct agcgcgtata                                        20
 94 <210> SEQ ID NO: 2
 95 <211> LENGTH: 20
 96 <212> TYPE: DNA
 97 <213> ORGANISM: Artificial Sequence
 99 <220> FEATURE:
100 <223> OTHER INFORMATION: Description of Artificial Sequence:random
101       synthetic sequence
103 <400> SEQUENCE: 2
104 atggcaacta tacgcgctag                                        20
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108 <211> LENGTH: 16
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Description of Artificial Sequence:random
114       synthetic sequence
116 <400> SEQUENCE: 3
117 ccttgagatt tccctc                                            16
120 <210> SEQ ID NO: 4
121 <211> LENGTH: 16
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Description of Artificial Sequence:random
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133 <210> SEQ ID NO: 5
134 <211> LENGTH: 18
135 <212> TYPE: DNA
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136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: Description of Artificial Sequence:random
140         synthetic sequence
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146 <210> SEQ ID NO: 6
147 <211> LENGTH: 26
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149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Description of Artificial Sequence:random
153         synthetic sequence
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156 aagttgcgct ttacggctaa tggcga                                     26
159 <210> SEQ ID NO: 7
160 <211> LENGTH: 15
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Description of Artificial Sequence:random
166         synthetic sequence
168 <400> SEQUENCE: 7
169 tctccttccc ttttc                                                 15
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173 <211> LENGTH: 15
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of Artificial Sequence:random
179         synthetic sequence
181 <400> SEQUENCE: 8
182 gaaaagggaa ggaga                                                 15
185 <210> SEQ ID NO: 9
186 <211> LENGTH: 15
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Description of Artificial Sequence:random
192         synthetic sequence
194 <400> SEQUENCE: 9
195 cttttccctt cctct                                                 15
198 <210> SEQ ID NO: 10
199 <211> LENGTH: 28
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Description of Artificial Sequence:random
205         synthetic sequence
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RAW SEQUENCE LISTING   DATE: 05/31/2002
PATENT APPLICATION: US/10/008,978   TIME: 12:01:36

Input Set : A:\00-1272-c seq list 052002.txt
Output Set: N:\CRF3\05312002\J008978.raw

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207 <400> SEQUENCE: 10
208 aaacgactct agcgcgtata gttgccat                                    28
211 <210> SEQ ID NO: 11
212 <211> LENGTH: 28
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
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218       synthetic sequence
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221 atggcaacta tacgcgctag agtcgttt                                    28
224 <210> SEQ ID NO: 12
225 <211> LENGTH: 15
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Description of Artificial Sequence:random
231       synthetic sequence
233 <400> SEQUENCE: 12
234 cctatcgacc atgct                                                  15
237 <210> SEQ ID NO: 13
238 <211> LENGTH: 30
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: Description of Artificial Sequence:random
244       synthetic sequence
246 <400> SEQUENCE: 13
247 agcatggtcg ataggaaacg actctagcgc                                  30
250 <210> SEQ ID NO: 14
251 <211> LENGTH: 15
252 <212> TYPE: DNA
253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: Description of Artificial Sequence:random
257       synthetic sequence
259 <400> SEQUENCE: 14
260 gcgctagagt cgttt                                                  15
263 <210> SEQ ID NO: 15
264 <211> LENGTH: 30
265 <212> TYPE: DNA
266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
269 <223> OTHER INFORMATION: Description of Artificial Sequence:random
270       synthetic sequence
272 <400> SEQUENCE: 15
273 agcatggtcg ataggatggc aactatacgc                                  30
276 <210> SEQ ID NO: 16
277 <211> LENGTH: 24
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RAW SEQUENCE LISTING              DATE: 05/31/2002
PATENT APPLICATION:  US/10/008,978    TIME: 12:01:36

Input Set : A:\00-1272-c seq list 052002.txt
Output Set: N:\CRF3\05312002\J008978.raw

278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Description of Artificial Sequence:random
283       synthetic sequence
285 <400> SEQUENCE: 16
286 gtcgatagga aacgactcta gcgc                                24
289 <210> SEQ ID NO: 17
290 <211> LENGTH: 30
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Description of Artificial Sequence:random
296       synthetic sequence
298 <400> SEQUENCE: 17
299 agcatggttg ataggaaacg actctagcgc                          30
302 <210> SEQ ID NO: 18
303 <211> LENGTH: 30
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Description of Artificial Sequence:random
309       synthetic sequence
311 <400> SEQUENCE: 18
312 agcatgtttg ataggaaacg actctagcgc                          30
315 <210> SEQ ID NO: 19
316 <211> LENGTH: 12
317 <212> TYPE: DNA
318 <213> ORGANISM: Artificial Sequence
320 <220> FEATURE:
321 <223> OTHER INFORMATION: Description of Artificial Sequence:random
322       synthetic sequence
324 <400> SEQUENCE: 19
325 tctcaactcg ta                                             12
328 <210> SEQ ID NO: 20
329 <211> LENGTH: 12
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
334 <223> OTHER INFORMATION: Description of Artificial Sequence:random
335       synthetic sequence
337 <400> SEQUENCE: 20
338 cgcattcagg at                                             12
341 <210> SEQ ID NO: 21
342 <211> LENGTH: 24
343 <212> TYPE: DNA
344 <213> ORGANISM: Artificial Sequence
346 <220> FEATURE:
347 <223> OTHER INFORMATION: Description of Artificial Sequence:random
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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 05/31/2002
PATENT APPLICATION:  US/10/008,978      TIME: 12:01:37

Input Set : A:\00-1272-c seq list 052002.txt
Output Set: N:\CRF3\05312002\J008978.raw
```

<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:57; N Pos. 8